

Reality

Suite: The Stone-Like

by Arya Akhavan (July 2014)

Angles for R.I. = 1.540

49 + 12 girdles = 61 facets

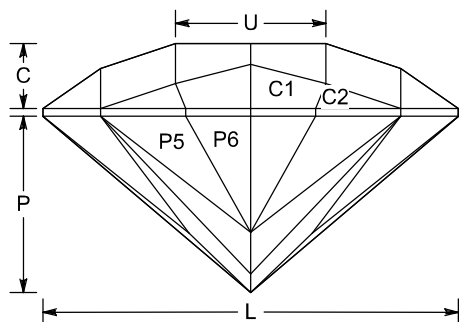
2-fold, mirror-image symmetry

96 index

L/W = 1.113 T/W = 0.416 U/W = 0.403

P/W = 0.472 C/W = 0.173

Vol./W³ = 0.256



PAVILION

P1	41.69°	16-32-64-80	Cut to centerpoint.
P2	42.82°	18-30-66-78	Meet at culet.
G1	90.00°	18-30-66-78	Set stone length.
G2	90.00°	05-43-53-91	Meet P1, P2, G1
P3	41.76°	19-29-67-77	Meet P2, G1
P4	41.82°	17-31-65-79	Meet P1, P2, G1, G2; culet
P5	67.38°	05-43-53-91	Level girdle.
P6	68.87°	04-44-52-92	Meet P1, P5
G3	90.00°	04-44-52-92	Level girdle.

CROWN

C1	44.45°	04-44-52-92	Set girdle width.
C2	45.83°	05-43-53-91	Level girdle.
C3	40.85°	18-30-66-78	Level girdle.
C4	34.74°	24-72	Meet G1, C3
C5	25.08°	12-36-60-84	Meet G1, G2, C2, C3
C6	22.64°	10-38-58-86	Meet C1, C2, C5
C7	18.31°	24-72	Meet C3, C4, C5
T	0.00°	Table	Meet C5, C6, C7

Here's yet another design that I made by randomly manipulating other designs, then adding some of my overly-loved bars and lines all over the crown. Similarly to my "Tessellation 29" design, you can get an interesting vertical effect of different colors or extra saturation. Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but try it out in highly pleochroic materials and see the interesting effect!

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